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PATENT SPECIFICATION



Application Date: Aug. 2, 1933. No. 21,715/33.

403,907

Complete Accepted: Jan. 4, 1934.

COMPLETE SPECIFICATION.

Improvements in Stockings or the like.

I, ELISE GOMIZ, a German citizen, of 139, Friedhofstrasse, Reichenschwand bei Harsbruck, Bavaria, Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

It is already known with stockings or the like to adapt these to the shape of the foot by suitable distribution of the meshes in the lateral or horizontal direction, in particular the meshes corresponding to the different shapes of the right and the left foot, so as to obtain a better fit. Nevertheless the usual stockings show defects on being worn. A known phenomenon is the premature tearing or wearing through of the stockings at the ball of the foot and the toes. Furthermore the foot gets tired comparatively quickly in the stockings since it has to support stresses of the stockings which act in the perpendicular direction or upwards and which have at each step to be overcome.

The defects indicated are avoided according to the invention by the part of the stocking in front of the toes being carried upwards corresponding to the height of the toes and the part of the stocking under the balls of the feet being extended downward in arc shape or sack-like corresponding to the rounding of the foot taking place in walking.

It is, of course, known to widen the stocking at the tip of the big toe. This opening out serves, however, only the purpose of preventing the big toe, which on the drawing on of the stocking usually abuts against the tip thereof and thus stops its movement, from rubbing a hole in the fabric in consequence of the great strain. The elevation of the other toes and the considerable rounding which takes place at the ball of the foot in walking is not taken into consideration with known stockings.

A stocking has also been proposed in which, in order to provide sufficient room for the toes, the upper and lower halves of the front part of the stocking were made separately and then joined together

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at their edges, a gusset being formed between the meeting edges to effect the widening of the toe. The two halves of the toe portion, however, were arcuate in cross-section and there was no sack-like depression provided for the ball of the foot.

The improved stocking is shown on the drawing in a perpendicular section running along the back of the foot. At the part a the stocking fabric is carried up perpendicularly by the introduction of additional courses of meshes. At the part b furthermore the meshes are so distributed or increased in number that the stocking fabric is bulged out downwards in arc shape or like a sack corresponding to the shape of the foot in walking. In order to make the difference as compared with ordinary stocking shape visible this is indicated by dotted lines. With the new stocking, every stress and labour is dispensed with which the foot had otherwise constantly to exert in the alteration of the shape of the stocking in walking.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A stocking or the like characterised by the fact that there are arranged at the toe of the stocking additional courses or meshes located one above the other so that an upwardly directed wall corresponding to the height of the toes is formed and the stocking adapts itself to the form of the foot at the toes in unstretched condition without extension of the material of the stocking.

2. A stocking or the like according to claim 1, characterised by additional courses of meshes being so inserted in the sole of the stocking at the position corresponding to the ball of the foot that a sack-like expansion is created which adapts itself to the shape of the foot when walking without stretching of the material of the stocking.

3. The improved stocking or the like substantially as herein described with reference to the accompanying drawing.

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Dated this 2nd day of August, 1983.

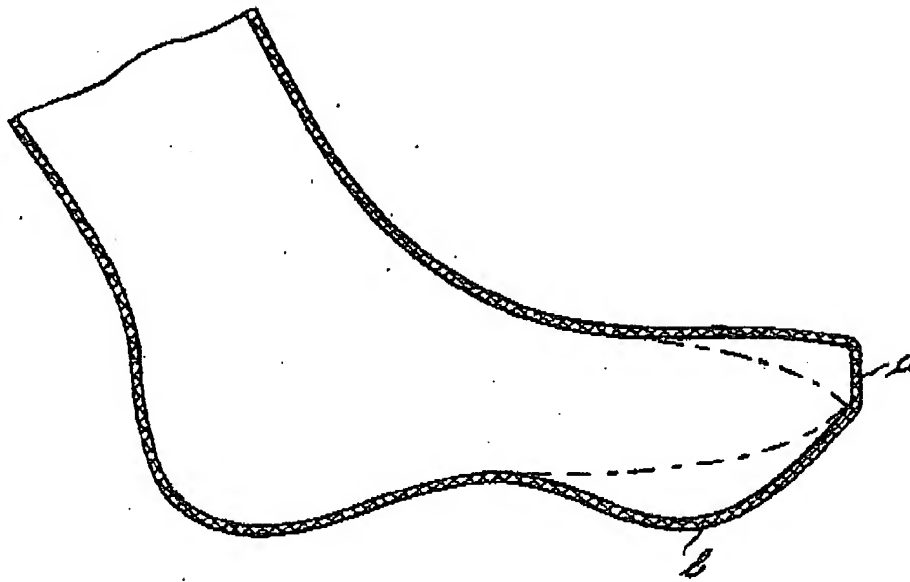
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1 SHEET

[This Drawing is a full-size reproduction of the Original.]



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